

Abstract:

Monocyclopentadienyl complexes in which the cyclopentadienyl system bears at least one unsubstantiated, substituted or fused, hetero aromatic ring system bound via a specific bridge, a catalyst system, comprising at least one of these monocyclopentadienyl complexes, the use of the catalyst system for the polymerization or copolymerization of olefins and a process for preparing polyolefins by polymerization or copolymerization of olefins in the presence of the catalyst system and polymers obtainable therewith.